

No. 860,856.

PATENTED JULY 23, 1907.

J. R. DAY.
PAPER CLIP.

APPLICATION FILED FEB. 26, 1906.

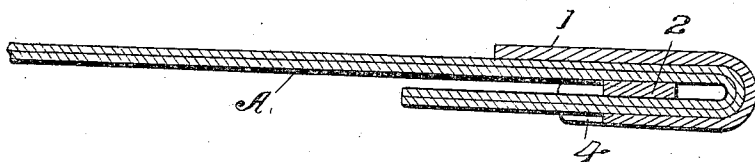
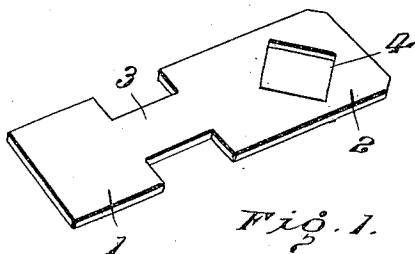


Fig. 3.

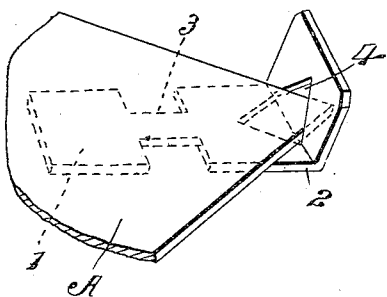


Fig. 4.

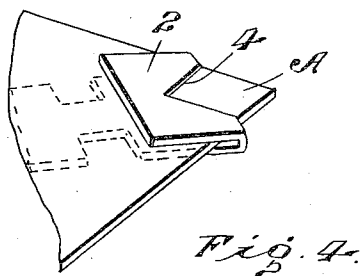
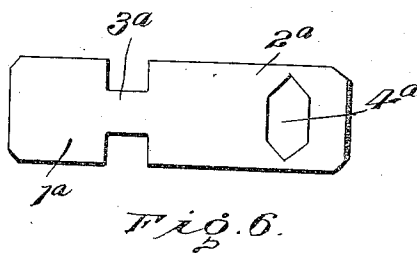
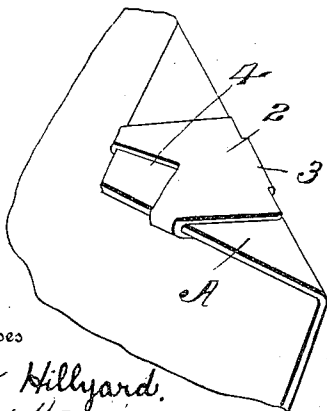


Fig. 5.



Witnesses

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UNITED STATES PATENT OFFICE.

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PAPER-CLIP.

No. 860,856.

Specification of Letters Patent.

Patented July 23, 1907.

Application filed February 26, 1906. Serial No. 303,093.

To all whom it may concern:

Be it known that I, JOHN R. DAY, a citizen of the United States, residing at Huntington, in the county of Huntington and State of Indiana, have invented certain new and useful Improvements in Paper-Clips, of which the following is a specification.

This invention contemplates certain new and useful improvements in paper clips, and the object of the invention is a simple and inexpensive construction of paper clip, which will firmly hold the material with which it is engaged, which will admit of easy and quick application as well as removal, which will admit of use in securing material of different thickness, and which is susceptible of repeated use, not marring or injuring the material to which it is applied, and present a neat and artistic appearance when it is in practical use.

Reference is to be had to the accompanying drawings, in which:

Figure 1 is a perspective view of one embodiment of my invention. Fig. 2 is a longitudinal sectional view showing the clip applied. Fig. 3 is a perspective view showing the initial bending of the clip. Fig. 4 is a similar view showing the clip at the completion of the first bending operation. Fig. 5 is a similar view showing the clip operatively applied at the completion of the second and final bending operation. Fig. 6 is a plan view of a modified form of clip, hereinafter specifically referred to.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawings by the same reference characters.

In carrying out the invention, it is designed to make the clips form sheet metal and they may be stamped or otherwise produced so as to make the cost thereof nominal.

As illustrated in the drawing, the paper clip comprises an initially flat blank embodying two portions 1 and 2, which are substantially rectangular in general outline, and which are connected together by a relatively narrow neck 3. In the preferred proportion of the parts, the end 2 is somewhat larger than the end 1, as shown. The end portion 2 is provided with a slot 4 lying entirely within its margin and extending close to its side edges, whereby to weaken the said end portion 2 at points intermediate of its length and coincident with a line drawn through the said opening or slot 4 and through said side edges, so that the outer extremity of the said end portion 2 may be doubled or turned upon the other end thereof on a plane coincident with the slot, in the initial bending of the clip. This opening or slot 4 may be rectangular as illustrated in Fig. 1, or it may be of other different shapes. For instance, as illustrated in Fig. 6, the two end portions 1^a and 2^a are connected by a narrow neck 3^a and

the slot 4^a in the end portion 2^a is hexagonal as shown, the exact shape of this slot being immaterial, so long as it possesses the function of weakening the end portion in which it is formed at the points or line indicated above.

In the practical application of my improved clip, it is intended that the end portion 2 be bent upon itself as illustrated in Fig. 3, so that the corner of a sheet or sheets A may be thrust through the opening 4. The bent extremity of the end 2 is then completely doubled or turned upon the other end of said end portion 2 so as to complete the initial folding operation, in which the clip assumes the form illustrated in Fig. 4. Then to complete the fastening operation, the clip is again bent upon a line intersecting the narrow neck, as indicated in Fig. 5, so as to fold the then doubled end portion 2 upon the other end portion 1.

It will thus be seen that it is not necessary to form a tongue initially before the device is ready for application and that the device may be applied very quickly, as it is only necessary to insert a corner of a sheet through the opening 4, or 4^a, and bend the ends of the fastener over upon itself, this operation being rendered easy by the weakening effect of the material in line with the two ends of the slot 4 or 4^a, as well as the weakening effect produced by the narrow neck 3.

As the body portion of the clip is flat, it does not form a projecting surface, likely to engage any object and cause displacement of the clip and give rise to other disadvantages which will be obvious to those experienced in the use of articles of the character to which this invention appertains. As the clip is formed of tough material, it will be susceptible of repeated bending so that the device may be used again and again, while if it is desired it may form a permanent securing means, if it is not removed.

Having thus described the invention, what is claimed as new is:

As an improved article of manufacture, the herein described paper clip comprising an initially flat blank embodying two end portions connected by a narrow neck, one of said end portions being provided with a slot lying entirely within its margin and extending close to its side edges, whereby to weaken the said end at points intermediate of its length and coincident with a line drawn through the slot and through said side edges, so that the outer extremity of the said end portion may be turned upon the other extremity thereof on a plane coincident with the slot, the device being designed to be bent first on said line to double the outer extremity of one end portion upon itself, and again upon a line intersecting the narrow neck whereby to fold the then doubled end portion upon the other end portion, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

JOHN R. DAY. [L. S.]

Witnesses:

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